

AMENDMENTS

In the Claims:

Please amend the claims as indicated.

1 1. (Currently amended) A method of providing suggested completions for a
2 numeric data entry, comprising the steps of:

3 a) receiving a numeric data entry;

4 b) applying a set of rules to the numeric data entry to identify a candidate
5 match from a list of possible matches, the set of rules implementing a plurality of variables,
6 the plurality of variables defining a plurality of search states from which a candidate match
7 is selected, at least one of the plurality of search states chosen based on a number of digits in
8 the numeric data entry, the set of rules using the numeric data entry to choose the candidate
9 match from among an address book entry, a phone number in a call history, and non-
10 standard dialing instructions; and

11 c) receiving a response signal associated with the candidate match.

1 2. (Original) The method of claim 1, wherein the numeric data entry and the list
2 of possible matches are telephone numbers.

1 3. (Previously presented) The method of claim 1, wherein the candidate match is
2 provided to a user interface, and the response signal is received from the user interface
3 further comprising the steps of:

4 d) if the said response signal is an acceptance of the candidate match,
5 replacing said numeric data entry with the candidate match;

6 e) if said response modifies the numeric data entry, continue at step (b)
7 with the modified numeric data entry; and

8 f) if said response is a rejection of the candidate match, displaying the
9 numeric data entry.

1 4. (Previously presented) The method of claim 1, wherein the numeric data
2 entry has n digits or less, and the applying a set of rules step comprises the step of retrieving

3 contents of an address book location identified by the numeric data entry as a candidate
4 match.

1 5. (Previously presented) The method of claim 1, wherein the numeric data
2 entry has n digits or less, and the applying a set of rules step comprises the step of retrieving
3 all numbers associated with an address book location identified by the numeric data entry as
4 a candidate match.

1 6. (Previously presented) The method of claim 1, wherein a number of digits in
2 the numeric data entry
3 entered by a user is equal to x digits long, where x is greater than m but less than p,
4 and the applying a set of rules step comprises the steps of:
5 searching through a memory storage device which contains one or more
6 numbers,
7 identifying stored numbers that match said numeric data entry as a candidate
8 match.

1 7. (Previously presented) The method of claim 6, wherein the identifying step
2 comprises comparing x most significant digits of a stored number in memory to the numeric
3 data entry.

1 8. (Previously presented) The method of claim 1, wherein the numeric data
2 entry entered by a user is x digits long, where x is greater than q, then no candidate matches
3 are displayed to the user.

1 9. (Previously presented) The method of claim 1, wherein a magnetic media
2 device contains a program module to perform said method.

1 10. (Currently amended) A method of providing suggested completions for a
2 numeric data entry, comprising the steps of:

3 a) receiving a numeric data entry;

4 b) applying a set of rules to the numeric data entry to identify at least one
5 candidate match from a list of possible matches, the set of rules implementing a plurality of
6 variables, the plurality of variables defining a plurality of search states from which the at
7 least one candidate match is selected, at least one of the plurality of search states chosen
8 based on a number of digits in the numeric data entry, the set of rules using the numeric data
9 entry to choose the candidate match from among an address book entry, a phone number in a
10 call history, and non-standard dialing instructions; and

11 c) receiving a response signal associated with the at least one candidate
12 match.

1 11. (Previously presented) The method of claim 10, wherein the at least one
2 candidate match is a suggested completion to the numeric data entry, and prior to the
3 receiving a response step, providing the at least one candidate match to a user interface.

1 12. (Previously presented) The method of claim 10, wherein the at least one
2 candidate match is provided to a user interface, and the response signal is received from said
3 user interface, further comprising the steps of:

4 d) if said response signal is an acceptance of one of the at least one
5 candidate match, replacing the numeric data entry with the accepted candidate match;

6 e) if the response modifies said numeric data entry continue at step (b)
7 with the modified numeric data entry; and

8 f) if the response is a rejection of at least one candidate match, displaying
9 the numeric data entry.

1 13. (Previously presented) The method of claim 11, wherein duplicate numbers
2 are removed from the at least one candidate match.

1 14. (Previously presented) The method of claim 10, wherein the numeric data
2 entry entered by a user is equal to or less than n digits long, and the applying a set of rules
3 step comprises the step of retrieving contents of an address book location identified by the
4 numeric data entry as a candidate match.

1 15. (Previously presented) The method of claim 10, wherein the numeric data
2 entry entered by a user is equal to or less than n digits long, and the applying a set of rules
3 step comprises the step of retrieving all numbers associated with an address book location
4 identified by the numeric data entry as a suggested completion.

1 16. (Previously presented) The method of claim 10, wherein the numeric data
2 entry entered by a user is equal to or less than x digits long, where x is greater than m, and
3 less than p, and the applying a set of rules step comprises the steps of:
4 searching through a memory storage device, the memory storage device
5 containing one or more stored numbers, and
6 identifying stored numbers that match said numeric data entry as a candidate
7 match, and adding these numbers to the at least one candidate match.

1 17. (Previously presented) The method of claim 16, wherein the identifying step
2 comprises comparing x most significant digits of the stored number to the numeric data
3 entry.

1 18. (Previously presented) The method of claim 10, wherein if a number of digits
2 in the numeric data entry is equal to x, and x is greater than q, then no candidate match is
3 displayed to the user.

1 19. (Currently amended) An apparatus for providing auto-completions for a
2 partially entered numeric data entry by offering candidate matches, said candidate matches
3 being selected from telephone numbers accessible to the apparatus, the apparatus
4 comprising:

5 a) a stored telephone number memory interface for accessing a list of
6 stored telephone numbers;

7 b) a memory device for containing a program module;

8 c) an input interface; and

9 d) a processing unit coupled to the memory device, the stored telephone
10 number interface and the input interface, the processing unit being operative in response to
11 the instructions of the program module to:

12 i) receive a numerical data entry from the input interface; and

13 ii) apply a set of rules to identify a candidate match for said

14 numerical data entry from the list of stored telephone numbers accessed via the stored

15 telephone number memory interface, the set of rules implementing a plurality of variables,

16 the plurality of variables defining a plurality of search states from which the candidate match

17 is selected, at least one of the plurality of search states chosen based on a number of digits in

18 the numeric data entry, the set of rules using the numeric data entry to choose the candidate

19 match from among an address book entry, a phone number in a call history, and non-

20 standard dialing instructions.

1 20. (Original) The apparatus of claim 19, wherein the apparatus is a cellular
2 telephone.

1 21. (Original) The apparatus of claim 19, wherein the apparatus is a computer
2 with a modem.

1 22. (Original) The apparatus of claim 19, wherein the apparatus is a hand held
2 computer.

1 23. (Original) The apparatus of claim 19, wherein the apparatus is a telephone.

1 24. (Original) The apparatus of claim 19, further comprising an output interface,
2 wherein a candidate match is supplied to the output interface.

1 25. (Original) The apparatus of claim 19, wherein a response associated with the
2 candidate match can be provided via the input interface.

1 26. (Original) The apparatus of claim 25, wherein if the response is an
2 acceptance, then the numeric data entry is replaced with the candidate match.

1 27. (Original) The apparatus of claim 25, wherein if the response is a rejection,
2 the numeric data entry is displayed on the user interface.

1 28. (Previously presented) The apparatus of claim 25, wherein if the response is
2 a modification, the set of rules it applied to modified numeric data entry, and the candidate
3 matches identified by application of the set of rules are displayed on a user interface.